

**IN THE ABSTRACT:**

The Abstract as amended below with a replacement Abstract shows added text with underlining and deleted text with ~~strikethrough~~. Please replace the current Abstract with the Abstract below:

In object collaboration via a message, various message types are dealt with. Furthermore, synchronization processing between objects is conducted easily and flexibly. A message type is previously classified and arranged hierarchically. A message/action reaction table 103 arranged on the message type basis is held in a message/action reaction relationship storing part 102. A received message is subjected to matching by a message type classifying/matching part 107. When the received message is matched with a message type dealt with by the message/action reaction relationship storing part 102, the message is given to an action executing part 104. When the received message is not matched with a message type dealt with by the message/action reaction relationship storing part 102, the message is discarded. ~~The action executing part 104 executes an action based on the received message. According to synchronization processing, an entity name rewrite object is prepared, and the entity name of the received message is rewritten for transmission. An action synchronized with the contents of a message of a master entity name is described in the synchronized object.~~